



TS5540-MS - spraying conformal coating.

TS5500 Series Spray Valves

The Spray Valves are designed for precise spray applications of low viscosity materials. Total control of the spray cycle is provided by adjustable fluid flow and precise control of pre-spray, atomizing air and post-spray with the TS500R Valve Controller. Normal maintenance is simple and downtime is virtually eliminated with only one seal to replace.

The TS5540 Spray Valves come with FDA-Compliant 303 stainless steel construction in both air cylinder and fluid housing. A field replaceable Delrin® seat provides positive shut-off and extends life cycles. The compact design and easy-mount threaded hole allow for easy integration into automated applications.

Key Features:

- Consistent spray coverage with no overspray
- Positive shut-off
- Adjustable flow control
- Long life cycles

Typical Applications:

To spray fine mist of low viscosity fluids such as: conformal coating, solvent, oil, etc.

Valve Specifications	TS5520	TS5540
Length:	4.2" (107mm)	4.2" (107mm)
Diameter:	1.12" (28mm)	1.12" (28mm)
Weight:	0.3 lb. (136 g)	0.74 lb. (336 g)
Wetted Parts:	303 SS, Teflon®, EPR, Anodized Al, Delrin®	303 SS, Teflon®, Delrin®
Viscosity Range:	1-1k cps	1-5k cps
Max Fluid Pressure	100 psi (6.9 bar)	
Activation Pressure:	70 psi (4.8 bar) Minimum	
Connections:	Inlet: 1/8" NPT Outlet: Spray nozzle	
Mounting:	1/4" 20UNC-2B	



TS5540
Spray Valve
with Cone Nozzle



Cone Nozzle



TS5540
Spray Valve
with Fan Nozzle



Fan Nozzle



TS5520
Spray Valve
with Cone Nozzle



NEW TS5540-MS
Microshot Spray
Valve

Valves with Nozzles:

	Opening Diameter	Cone Nozzle	Fan Nozzle
TS5520	0.046" (1.17mm)	Standard	Not available
TS5540	0.014" (0.356mm)	TS5540-014R	TS5540-014F
	0.028" (0.711mm)	TS5540-028R	TS5540-028F
	0.046" (1.17mm)	TS5540-046R	TS5540-046F

Nozzles only:

Opening Diameter	Cone Nozzle	Fan Nozzle
0.014" (0.356mm)	RNC014	FNC014
0.028" (0.711mm)	RNC028	FNC028
0.046" (1.17mm)	RNC046	FNC046

TS5540-MS Microshot Spray Valve

The TS5540-MS spray valve is designed to spray low viscosity materials through disposable dispensing tips. Spray patterns range from 0.18" - 0.60" (4.6mm-15mm) in diameter.

